

wetlands

Location: naturalresources\wetlands

Description

National Wetlands Inventory (NWI) data showing *general* location of large and /or photo-identifiable wetland and deepwater habitats, based on aerial photos taken from 1975 to 1996 at 1:58,000 to 1:20,000 scale. Shapefile includes polygon features; coverage includes polygon and linear features. *This data doesn't show all wetlands.*

Source

About December 1995, Bay County received some NWI data on diskettes from FREAC, Tallahassee (850-644-3410); not all quads were available digitally.

About 1997, Bay County GIS purchased NWI quads from FREAC, Tallahassee, which had the **attribute** parsed (separated using NWI c software) and a wetdry field, similar to **group**. However, Southport quad got corrupted, Beacon Hill was missing, and many quads were out-of-date.

In November 1999, Bay County GIS replaced all quads with the latest NWI quads from U.S. Fish & Wildlife Service web site at <ftp://www.nwi.fws.gov/arcdata/> . NWI maps are derived from aerial photos taken from 1975 to 1996 at scales from 1:58,000 to 1:20,000. See list of quad photo years below. Bay County GIS projected the quads, derived 3 fields from the NWI **attribute**, mapjoined the quads into a county-wide coverage, then dissolved quad boundaries based on all attributes. Parsing of **attribute** wasn't done at this time.

Sometime during Fall 2002, Bay County GIS plans on retrieving updated NWI quads.

For more info regarding NWI, see <ftp://www.nwi.fws.gov/metadata/Readme.txt> or <http://www.nwi.fws.gov/Maps/maps.htm>

Although this data can show wetlands more accurately than USGS topographic maps, this data does not show all wetlands, nor does it replace a qualified ground survey at project scale. U.S. Fish & Wildlife suggests that users also consult other information to aid in wetland detection, such as U.S. Department of Agriculture soil survey reports, and not rely solely on NWI maps.

This data is provided with the understanding that the conclusions drawn from such information are solely the responsibilities of the user. The GIS data is not a legal representation of the features depicted, and any assumption of the legal status of this data is hereby disclaimed. Errors or omissions should be reported to the Bay County GIS Division 850-784-6171.

Attribute Table Structure

Polygon and Arc Attributes

Name	Width	Output	Type	Decimals
ATTRIBUTE	24	24	C	-
SYSTEM	1	1	C	-

SUBSYSTEM	2	2	C	-
GROUP	3	3	C	-

Attributes

attribute

Complete NWI classification code by USFWS. See WETLANDS AND DEEPWATER HABITATS CLASSIFICATION below.

system

First NWI classification level by USFWS, equal to the first character of **attribute**.

M = Marine	= salty water	L = Lacustrine	= lake, pond
E = Estuarine	= brackish	P = Palustrine	= freshwater marsh
R = Riverine	= river	U = Upland	= non-wetland

subsystem

Second NWI classification level, including **system**, based on the first two characters of **attribute**.

Note **systems** P and U don't have a **subsystem** level.

M1 = Marine Subtidal	R1 = Riverine Tidal	L1 = Lacustrine Limnetic (deep)
M2 = Marine Intertidal	R2 = Riverine Lower Perennial	L2 = Lacustrine Littoral (shallow)
E1 = Estuarine Subtidal	R3 = Riverine Upper Perennial	P = Palustrine
E2 = Estuarine Intertidal	R4 = Riverine Intermittent	U = Upland
	R5 = Riverine Unknown Perennial	

group

NWI **attribute** grouped by Bay County GIS.

Upland = U

Water = M1, E1, or OW (open water) without slash

Wetland = rest of non-blank attributes

ftp://www.nwi.fws.gov/maps/nwi_diged.txt

01 May 2000 - National Wetlands Inventory Digitized Maps

1:100K NAME	STATE	NWI/USGS MAP NAME	ABBREV	REF CODE	PHOTO YR	DIG DATE
Apalachicola	NW FL	Beacon Hill	beacoh	29085-H4	1990	22-APR-1999
Apalachicola	NW FL	Crooked Island	crooki	29085-H5	1990	22-APR-1999
Tallahassee	NW FL	Compass Lake	complk	30085-E4	1975	25-NOV-1996
Tallahassee	SW FL	Allanton	allant	30085-A4	1990	22-APR-1999
Tallahassee	SW FL	Bayhead	bayhea	30085-C5	1996	22-APR-1999
Tallahassee	SW FL	Beacon Beach	beacob	30085-A6	1990	22-APR-1999
Tallahassee	SW FL	Bennett	bennet	30085-D5	1975	25-NOV-1996
Tallahassee	SW FL	Bruce	bruce	30085-D8	1996	22-APR-1999
Tallahassee	SW FL	Crystal Lake	cryslk	30085-D6	1975	25-NOV-1996
Tallahassee	SW FL	Fountain	founta	30085-D4	1975	25-NOV-1996
Tallahassee	SW FL	Laguna Beach	lagunb	30085-B8	1996	22-APR-1999
Tallahassee	SW FL	Long Point	longpt	30085-A5	1990	22-APR-1999
Tallahassee	SW FL	North of Allanton	noalla	30085-B4	1996	22-APR-1999
Tallahassee	SW FL	Panama City	panamc	30085-B6	1990	22-APR-1999
Tallahassee	SW FL	Panama City Beach	panacb	30085-B7	1996	22-APR-1999
Tallahassee	SW FL	Red Head	redhea	30085-D7	1975	25-NOV-1996
Tallahassee	SW FL	Seminole Hills	seminh	30085-C8	1996	22-APR-1999

Tallahassee	SW	FL	Southport	southp	30085-C6	1996	22-APR-1999
Tallahassee	SW	FL	Springfield	spring	30085-B5	1990	22-APR-1999
Tallahassee	SW	FL	West Bay	westba	30085-C7	1996	22-APR-1999
Tallahassee	SW	FL	Youngstown	youngs	30085-C4	1979	25-NOV-1996

ftp://www.nwi.fws.gov/maps/mapcode.txt
WETLANDS AND DEEPWATER HABITATS CLASSIFICATION

SYSTEM	SUBSYSTEM	CLASS	SUBCLASS
M=MARINE-----	-- 1=SUBTIDAL----	- RB=Rock Bottom	1=Bedrock 2=Rubble
		- UB=Unconsolidated Bottom	1=Cobble-Gravel 2=Sand 3=Mud 4=Organic
		- AB=Aquatic Bed	1=Algal 3=Rooted Vascular 5=Unknown Submergent
		- RF=Reef	1=Coral 3=Worm
		- OW=Open Water/Unknown Bottom (used on older maps)	
	-- 2=INTERTIDAL--	- AB=Aquatic Bed	1=Algal 3=Rooted Vascular 5=Unknown Submergent
		- RF=Reef	1=Coral 3=Worm
		- RS=Rocky Shore	1=Bedrock 2=Rubble
		- US=Unconsolidated Shore	1=Cobble-Gravel 2=Sand 3=Mud 4=Organic

SYSTEM	SUBSYSTEM	CLASS	SUBCLASS
E=ESTUARINE-----	-- 1=SUBTIDAL----	- RB=Rock Bottom	1=Bedrock 2=Rubble
		- UB=Unconsolidated Bottom	1=Cobble-Gravel 2=Sand 3=Mud 4=Organic
		- AB=Aquatic Bed	1=Algal 3=Rooted Vascular 4=Floating Vascular 5=Unknown Submergent 6=Unknown Surface
		- RF=Reef	2=Mollusc 3=Worm
		- OW=Open Water/Unknown Bottom (used on older maps)	
		- AB=Aquatic Bed	1=Algal 3=Rooted Vascular 4=Floating Vascular 5=Unknown Submergent 6=Unknown Surface
		- RF=Reef	2=Mollusc 3=Worm
		- SB=Streambed	3=Cobble-Gravel 4=Sand 5=Mud 6=Organic
		- RS=Rocky Shore	1=Bedrock 2=Rubble
	-- 2=INTERTIDAL--	- US=Unconsolidated Shore	1=Cobble-Gravel 2=Sand 3=Mud 4=Organic
		- EM=Emergent	1=Persistent 2=Nonpersistent
		- SS=Scrub-Shrub	1=Broad-Leaved Deciduous 2=Needle-Leaved Deciduous

- FO=Forested

3=Broad-Leaved
Evergreen
4=Needle-Leaved
Evergreen
5=Dead
6=Indeterminate
Deciduous
7=Indeterminate
Evergreen

- 1=Broad-Leaved
Deciduous
- 2=Needle-Leaved
Deciduous
- 3=Broad-Leaved
Evergreen
- 4=Needle-Leaved
Evergreen
- 5=Dead
- 6=Indeterminate
Deciduous
- 7=Indeterminate
Evergreen

SYSTEM

SUBSYSTEM

CLASS

SUBCLASS

		- RB=Rock Bottom	1=Bedrock 2=Rubble
		- UB=Unconsolidated Bottom	1=Cobble-Gravel 2=Sand 3=Mud 4=Organic
	--1=TIDAL-----	-*SB=Streambed	1=Bedrock 2=Rubble 3=Cobble-Gravel 4=Sand 5=Mud 6=Organic 7=Vegetated
	--2=LOWER PERENNIAL----	- AB=Aquatic Bed	1=Algal 2=Aquatic Moss 3=Rooted Vascular 4=Floating Vascular 5=Unknown Submergent 6=Unknown Surface
R=RIVERINE-----	--3=UPPER PERENNIAL----	- RS=Rocky Shore	1=Bedrock 2=Rubble
	--4=INTERMITTENT-	- US=Unconsolidated Shore	1=Cobble-Gravel 2=Sand 3=Mud 4=Organic 5=Vegetated
	--5=UNKNOWN PERENNIAL---- (used on older maps)	-**EM=Emergent	2=Nonpersistent
		- OW=Open Water/Unknown Bottom (used on older maps)	
		-*STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT	
SUBSYSTEM.		-**EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.	

SYSTEM

SUBSYSTEM

CLASS

SUBCLASS

L=LACUSTRINE----

-- 1=LIMNETIC----

- RB=Rock Bottom
 - 1=Bedrock
 - 2=Rubble
- UB=Unconsolidated Bottom
 - 1=Cobble-Gravel
 - 2=Sand
 - 3=Mud
 - 4=Organic
- AB=Aquatic Bed
 - 1=Algal
 - 2=Aquatic Moss
 - 3=Rooted Vascular
 - 4=Floating Vascular
 - 5=Unknown Submergent
 - 6=Unknown Surface
- OW=Open Water/Unknown Bottom (used on older maps)

-- 2=LITTORAL----

- RB=Rock Bottom
 - 1=Bedrock
 - 2=Rubble
- UB=Unconsolidated Bottom
 - 1=Cobble-Gravel
 - 2=Sand
 - 3=Mud
 - 4=Organic
- AB=Aquatic Bed
 - 1=Algal
 - 2=Aquatic Moss
 - 3=Rooted Vascular
 - 4=Floating Vascular
 - 5=Unknown Submergent
 - 6=Unknown Surface
- RS=Rocky Shore
 - 1=Bedrock
 - 2=Rubble
- US=Unconsolidated Shore
 - 1=Cobble-Gravel
 - 2=Sand
 - 3=Mud
 - 4=Organic
 - 5=Vegetated
- EM=Emergent
 - 2=Nonpersistent
- OW=Open Water/Unknown Bottom (used on older maps)

SYSTEM	SUBSYSTEM	CLASS	SUBCLASS
P=PALUSTRINE-----		- RB=Rock Bottom	1=Bedrock 2=Rubble
		- UB=Unconsolidated Bottom	1=Cobble-Gravel 2=Sand 3=Mud 4=Organic
		- AB=Aquatic Bed	1=Algal 2=Aquatic Moss 3=Rooted Vascular 4=Floating Vascular 5=Unknown Submergent 6=Unknown Surface
		- US=Unconsolidated Shore	1=Cobble-Gravel 2=Sand 3=Mud 4=Organic 5=Vegetated
		- ML=Moss-Lichen	1=Moss 2=Lichen
		- EM=Emergent	1=Persistent 2=Nonpersistent
		- SS=Scrub-Shrub	1=Broad-Leaved Deciduous 2=Needle-Leaved Deciduous 3=Broad-Leaved Evergreen 4=Needle-Leaved Evergreen 5=Dead 6=Indeterminate Deciduous 7=Indeterminate Evergreen
		- FO=Forested	1=Broad-Leaved Deciduous 2=Needle-Leaved Deciduous 3=Broad-Leaved Evergreen 4=Needle-Leaved Evergreen 5=Dead 6=Indeterminate Deciduous 7=Indeterminate

Evergreen

| - OW=Open Water/Unknown Bottom (used on older maps)

MODIFIERS

		- A=Temporarily Flooded
		- B=Saturated
		- C=Seasonally Flooded
		- D=Seasonally Flooded/Well Drained
		- E=Seasonally Flooded/Saturated
		- F=Semipermanently Flooded
	--Non-Tidal-----	- G=Intermittently Exposed
		- H=Permanently Flooded
		- J=Intermittently Flooded
		- K=Artificially Flooded
		- W=Intermittently Flooded/Temporary (used on older
maps)		
		- Y=Saturated/Semipermanent/Seasonal (used on older
maps)		
		- Z=Intermittently Exposed/Permanent (used on older
maps)		
WATER REGIME----		- U=Unknown
		- K=Artificially Flooded
		- L=Subtidal
		- M=Irregularly Exposed
		- N=Regularly Flooded
	--Tidal-----	- P=Irregularly Flooded
		-*S=Temporary-Tidal
		-*R=Seasonal-Tidal
		-*T=Semipermanent-Tidal
		-*V=Permanent-Tidal
		- U=Unknown
		-*These water regimes are only used in tidally influenced, freshwater systems.

		- 1=Hyperhaline
		- 2=Euhaline
	--Coastal	- 3=Mixohaline (Brackish)
	Halinity-----	- 4-Polyhaline
		- 5=Mesohaline
		- 6=Oligohaline
		- 0=Fresh
WATER CHEMISTRY-		
	--Inland	- 7=Hypersaline
	Salinity-----	- 8=Eusaline
		- 9=Mixosaline
		- 0=Fresh
	--pH Modifiers	- a=Acid
	for all	- t=Circumneutral
	Fresh Water----	- i=Alkaline
SOIL-----		- g=Organic
		- n=Mineral
		- b=Beaver
		- d=Partially Drained/Ditched
SPECIAL MODIFIERS-----		- f=Farmed
		- h=Diked/Impounded
		- r=Artificial Substrate
		- s=Spoil
		- x=Excavated

U = Uplands